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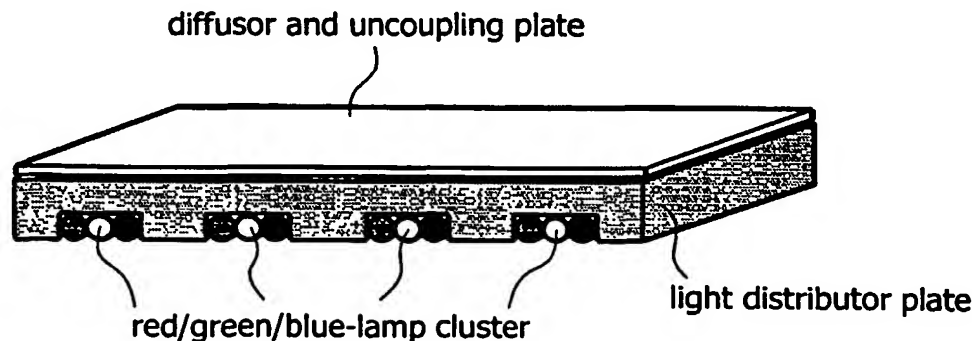
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(54) Title: COLOUR TUNABLE LIGHTING ELEMENT



(57) Abstract: A colour tunable lighting element is described, which comprises an assembly of dielectric barrier discharge lamps, each of them filled with a noble gas or a noble gas mixture, wherein a Xe low-pressure discharge generates invisible UV radiation, which is converted into visible light by one or several phosphors being coated onto the inner surface of the bulb, wherein the visible light of several dielectric barrier discharge lamps is mixed by optical means and is emitted homogeneously. Such an assembly of dielectric barrier discharge lamps is useful for the generation of white light with an arbitrary colour temperature and of saturated coloured light.



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